NCER Funded Science to Achieve Results (STAR) Research Projects:

Region 3 - STAR Grant List



Tabular Query Results of NCER Program and Solicitation Information

166 Abstracts are listed

Your Query was:

(Delaware <or> DE <or> Washington DC <or> District of Columbia <or> Maryland <or> MD <or> Pennsylvania <or> PA <or> Virginia <or> VA <or> West Virginia <or> WV <or> george washington <or> georgetown <or> american university <or> resources for the future <or> world resources <or> institute for energy conservation <or> american wind energy <or> charles county <or> smithsonian <or> academy of natural science <or> university of pittsburgh <or> lehigh <or> duquesne <or> stroud water <or> water environment federation <or> george mason <or> christopher newport <or> tellus) <and> <not> (Broadway <or> R826708 <or> R828044 <or> R826711 <or> U915327 <or> U915386 <or> U915030 <or> U914951 <or> U915164 <or> U914949 <or> U915148 <or> U915437 <or> U914994 <or> R828039 <or> R825821 <or> U915228 <or> U915406 <or> U915167 <or> R826708 <or> R826166 <or> U915346 <or> R827964 <or> R824748 <or> R826708 <or> R824900 <or> R824799 <or> R825799 <or> R82-0008 <or> R825146 <or> R82-0984 <or> R828292 <or> R823390 <or> R824699 <or> R826711 <or> U915017 <or> R825817 <or> characterizing risk at metal finishing <or> agglomeration of granular and fine <or> trace element adsorption in porous <or> superfund sites and the mineral industries <or> recycling of mixed automotive <or> developing a consensus and training <or> recovery of organics from fluid streams <or> assessment of an in-line copper recovery technology <or> indoor-outdoor relationships of airborne <or> development of a phytoremediation handbook <or> role of metallic iron in the biotransformation <or> microengineered mass spectrometer <or> a passive in situ system for treatment <or> inhibition inactivation and recovery <or> experimental study of overland transport <or> remediation of soil and groundwater contamination by hazardous <or> cybernetic experiments <or> estimation of indoor particulate matter emissions in large <or> nickel speciation of residual oil ash <or> an evaluation of the potential impacts of increased nutrient <or> aerosols and global climate change <or> sustainable development challenge grant program <or> eutrophication of coral reefs <or> process impacts on trace element speciation)

Narrov	v your search results	by entering additional terms:	
	Refine Search	Clear Terms	

Number	Identifier	Abstract	Institution	Principal Investigator	Grant Representative	Grant Amount	Proposed Start Date	Highlighted Result?
1		Environmental Technology Initiative '95	Maryland Center for Environmental Training, Charles County Community College	Jake Bair	Deborah Hanlon	\$119,824	October 1, 1995 - September 30, 1997	Highlighted
2			University of Delaware, College of	Matthew Schwartz	Georgette Boddie	34,000	9/1/98	Highlighted

		Delaware Bay	Marine Studies					
3	U91-5307	Envisioning Growth Futures in Maryland's Eastern Shore: A Decision- Support Model for Sustainable Development Policy	The University of Michigan Urban, Technological, and Environmental Planning	Olukayode O. Nejo	Bernice Smith	34,000	9/8/98	Highlighted
4	U91-5402	Environmental and Economic Effects from Changes in Forest Cover Resulting from Suburban Development Policies in Northern Virginia	Duke University	Crystal Grace Lovett	Charles Mitchell	29,750	8/31/98	Highlighted
5	R825247	Atmospheric Fate and Dry Deposition of Urban Soot to Great Waters Using a Novel, State-of-the-Art Isotopic Particulate Tracer	University of Maryland	John M. Ondov	Deran Pashayan	\$454,976	December 6, 1996 - December 5, 1999	Highlighted
6	U-915363	Submarine Groundwater Discharge in the Delaware Estuary	University of Delaware	Matthew Schwartz	none	none	none	Highlighted
7	R825794	Evaluation of Natural Amelioration of Acidic Deep Mine Discharges for Watershed Restoration	Carnegie Mellon University	David A. Dzombak, William W. Aljoe	Barbara Levinson	\$610,484	June 1, 1998 - May 31, 2001	Highlighted
8	R826198	Site-specific Validation of a Chronic Toxicity Test with the Amphipod Hyalella azteca: An Integrated Study of Heavy Metal Contaminated Sediments in Peak Creek,	Virginia Polytechnic Institute and State University	John Cairns, Jr., B. R. Niederlehner, Reese Voshell, and Eric P. Smith	David H. Reese	\$ 211,116	January 2, 1998 - December 31, 1999	Highlighted

		<u>Virginia</u>						
9	R824744	Socio-Economic Project Related to Pollution Prevention Pollution Prevention Technical Bulletin	Water Environment Federation	Albert Gray, Robert Schweinfurth, and Kimberly Roy	Deborah Hanlon	\$100,000	October 1, 1995 - September 30, 1997	Highlighted
10	R82-1365	Managing Municipal Solid Waste: Economic and Policy Issues	Resources for the Future	Molly K. Macauley	none	\$205,000	2 Years	Highlighted
11	R826945	CISNet: Nutrient Inputs as a Stressor and Net Nutrient Flux as an Indicator of Stress Response in Delaware's Inland Bays Ecosystem	University of Delaware	William J. Ullman, Kuo- Chuin Wong, John M. Madsen, Joseph R. Scudlark, David E. Krantz, A. Scott Andres, Thomas E. McKenna	Barbara Levinson	\$600,000	October 1, 1998 - September 30, 2001	Highlighted
12	R81-9482	Reduced CO, Emission Through New Portland Cements	Pennsylvania State University	Della M. Roy	none	\$299,049	3 years	Highlighted
13	R81-9482	Reduced CO, Emission Through New Portland Cements	Pennsylvania State University	Della M. Roy	none	\$299,049	3 years	Highlighted
14	U915307	Land Resources, Growth, and Sustainable Strategies: A Dynamic Integrated Model of Transformation in Maryland's Eastern Shore	The University of Michigan, Ann Arbor	Olu' O. Nejo	none	none	none	Highlighted
15	R827191	ECOHAB: Occurrence of Free-Living Pathogenic Amoebae in Tidal Tributaries of Chesapeake Bay	Virginia Commonwealth University	Stanley Webb, Bonnie Brown, Greg Garman, and Steve McIninch	Sheila Rosenthal	\$54,000	July 1, 1998 - December 31, 1999	Highlighted
16	R82-1676	Diatoms as Indicators of Biological	Academy of Natural Sciences of	Donald F. Charles	none	\$261,238	2 years	Highlighted

		Integrity in Streams and Rivers	Philadelphia					
17	R827084	The Development of a DNA Based Specific Assay for Pfiesteria piscicida in Water and Sediments	University of Maryland Biotechnology Institutes, Baltimore1 and University of North Carolina, Greensboro2	David Oldach1 and Parke Rublee2	Sheila Rosenthal	\$709,537	October 8, 1998 - October 7, 2001	Highlighted
18	R825309	Ecosystem Valuation Policy Applications for the Patuxent Watershed Ecological- Economics Model	Clark University	Jacqueline Geoghegan	Deborah Hanlon	\$104,685	January 1, 1997 - December 31, 1998	Highlighted
19	R825330	Photochemical Alternatives for Pollution Prevention	Iowa State University; Virginia Polytechnical Institute	George Kraus and James Tanko	Barbara Karn	\$400,000	October 1, 1996 - September 30, 1999	Highlighted
20	R825244	Impact of Ambient O3 on Physiological, Visual, and Growth Responses of Sensitive Eastern Hardwood Tree Species Under Natural and Varying Site Conditions	Pennsylvania State University	John Skelly, Donald D. Davis, Kim C. Steiner	Deran Pashayan	\$494,000	November 1, 1996 - October 31, 1999	Highlighted
21	R82-2298	Treehole Communities as Bioindicators of Forest Stemflow Pollution and Ecosystem Stress	Pennsylvania State University	W. A. Dunson	none	\$294,497	2 years	Highlighted
22	R825269	Development of a Semi- Continuous Monitor for Determination of Trace Elements and Heavy Metals in Ambient Aerosol Particles	University of Maryland; Harvard School of Public Health	John M. Ondov and Petros Koutrakis	Deran Pashayan	\$395, 885	November 15, 1996 - November 14, 1999	Highlighted

23	none	Microbial Degradation of Toluene Under Sulfate- Reducing Conditions: The Role of Iron	Western Region HSRC	Gribic'-Galic', Reinhard	none	none	none	Highlighted
24	U915407	Nutrient Cycling in Shallow Coastal Aquatic Ecosystems: Role of Photochemistry	University of Virginia	Ishi Daniel Buffam	none	none	none	Highlighted
25	R825254	Development and Evaluation of a Shallow Convection Parameterization for Mesoscale Models	Pennsylvania State University	Nelson Seaman	Deran Pashayan	\$449,000	October 1, 1996 - September 30, 1999	Highlighted
26	R823980	Speciation of Volatile and Reacting Compounds in Particulate Matter	University of Delaware	Murray V. Johnston and Anthony S. Wexler	Deran Pashayan	\$334,455	October 1, 1995 - September 30, 1998	Highlighted
27	R824772	The Role of Colloidal Particles in the Transport of Chemicals Through an Agricultural Watershed	University of Virginia	George M. Hornberger	Barbara Levinson	\$500,000	November 1995 - October 1998	Highlighted
28	R828163	Evaluating a New Class of Imprinted Sorbent Materials for Toxic Metals Removal	Department of Civil and Environmental Engineering, Zettlemoyer Center of Surface Science, Lehigh University	Arup K. SenGupta and Alfred Miller	Bala Krishnan	\$193,000	July 1, 2000 - June 30, 2002	Highlighted
29	R828163	Evaluating a New Class of Imprinted Sorbent Materials for Toxic Metals Removal	Department of Civil and Environmental Engineering, Zettlemoyer Center of Surface Science, Lehigh University	Arup K. SenGupta1 and Alfred Miller	S. Bala Krishnan	\$193,000	July 1, 2000 - June 30, 2002	Highlighted

30	R82-1202	Subadditivity and WTP/WTA Differentialsa Test of Competing Explanations	University of Maryland, College Park	John K. Horowitz	none	\$73,288	1 year	<u>Highlighted</u>
31	R824807	Regional Hydrologic Vulnerability and Adaptation to Climate An Integrated Assessment of the Susquehanna River Basin	The Pennsylvania State University	Brent Yarnal	Barbara Levinson	\$460,000	November 1995 - October 1998	Highlighted
32	R825245	Dynamic Exchange of Volatile Species and Semivolatile Organic Contaminants Across the Air- Water Interface of the Chesapeake Bay	University of Maryland	Joel E. Baker and Robert P. Mason	Deran Pashayan	\$449,989	October 1, 1996 - September 30, 1999	Highlighted
33	R828012	Improved Simulation of Advection and Dispersion of Urban Air Toxics	University of Maryland, College Park, Colorado State University, Department of Environmental Protection Montgomery County, Md	Margaret A. Palmer, Nancy E. Bockstael, Glenn E. Moglen, N. LeRoy Poff, Cameron Wiegand, and Keith Van Ness	Barbara Levinson	\$1,125,212	June 01, 2000 B May 31, 2003	Highlighted
34	R82-1312	Economics of Transition of Sustainable Farming	University of Maryland College Park	Erik Lichtenberg	none	\$219,788	2 years	Highlighted
35	R825251	Interstitial Lung Disease Moisture, Molds, and Mycotoxins	University of Connecticut, University of Maryland, HL Turner Group, and PandK Microbiology	Bruce Jarvis , Eileen Storey, William Turner, and Chin Yang	Deran Pashayan	\$572,710	December 2, 1996 - December 1 1999	Highlighted
36	U915420	The Return of the Forest: Urbanization and Reforestation in the Northeastern United States	Columbia University	Ellen Stroud	none	none	none	Highlighted
37	R82-1386	Clarifying the	Resources for	Michael A. Toman	none	\$215,000	2 years	Highlighted

		Requirements of Sustainability: Reconciling Ecological, Economic, and Philosophical Perspectives	the Future					
38	R824766	Integrated Ecological Economic Modeling and Valuation of Watersheds	University of Maryland	Robert Costanza	Barbara Levinson	\$1 Million	November 1, 1995 - November 1, 1998	Highlighted
39	R825422	Development and Characterization of a New Heavy- Metal Selective Inorganic Ion Exchanger	Lehigh University	Arup K. SenGupta	Bala Krishnan	\$218,643	November 1, 1996 - October 31, 1998	Highlighted
40	R824711	Mortality Risk Valuation And Stated Preference Methods: An Exploratory Study	Resources for the Future; University of Maryland and World Bank; University of Colorado; University of Michigan	Alan Krupnick, Maureen Cropper, Anna Alberini, and Robert Belli	Deborah Hanlon	\$114,822	October 1, 1995 - September 30, 1997	Highlighted
41	R827585	Electronic Environmental Democracy: The Future of Information Technology in Participatory Environmental Management	Center for Risk Management, Resources for the Future	J. Clarence (Terry) Davies (davies@rff.org), Director (Principal Investigator); Thomas C. Beierle, Research Associate	Matthew J. Clark	\$147,631	April 1, 1999 to March 31, 2000	Highlighted
42	R825338	Biocatalytic Polymer Synthesis in and from Carbon Dioxide for Pollution Prevention	University of Pittsburgh	Alan Russell and Eric Beckman	Barbara Karn	\$180,000	October 1, 1996 - September 30, 1999	Highlighted
43	R81-9228	Selective Removals of Toxic Anions of Metals, Metalloids, and Metal-Ligand Complexes Using Novel Synthetic	Lehigh University	Arup Sengupta	none	\$186,579	2 years	Highlighted

		Sorbents						
44	R81-9228	Selective Removals of Toxic Anions of Metals, Metalloids, and Metal-Ligand Complexes Using Novel Synthetic Sorbents	Lehigh University	Arup Sengupta	none	\$186,579	2 years	Highlighted
45	U91-5331	Use of Microsand in Enhancing Water Treatment	Virginia Polytech Institute	Christina L. Clarkson	Delores Thompson	28,413	8/10/98	Highlighted
46	R826617	The Impact of Farmland Preservation Programs	University of Maryland	Nancy E. Bockstael and Cynthia J. Nickerson	Ainsley Caldwell	\$80,860	October 1, 1998 - September 30, 1999	Highlighted
47	R82-0921	Development of An Economic Treatment System to Detoxify Organic Chemicals	University of Pennsylvania	Jean-Marc Bollag	none	\$375,000	3 years	Highlighted
48	R82-2282	Effects of Metals on Immunological Dysfunction and Metallothionein Modulation in Hemocytes and Oysters Infected with Perkinsus marinus: A Characterization of Putative Environmental Biomarkers	University of Maryland	G. Roesijadi	none	\$327438	1 year	Highlighted
49	R825195	An Integrated Approach for Effective Representation and Analysis of Space/Time Environmental Data	The Pennsylvania State University	Donna J. Peuquet, Anand Sivasubramaniam, Brent Yarnall, and Alan MacEachren	Chris Saint	\$585,086	October 10, 1996 - October 9, 1999	Highlighted
50	R825324	A Novel Pressure- Exchange Ejector Refrigeration System with Steam as the	The George Washington University	Catherine Mavriplis	Barbara Karn	\$175,000	October 1, 1996 - September 30, 1999	Highlighted

		Refrigerant						
51	R81-9325	Nitrogen Removal by Nitrous Oxide (N,O) Formation in Biological Wastewater Treatment	Lehigh University	Marshall Spector	none	\$427,871	3 years	<u>Highlighted</u>
52	R826791	ECOHAB: DNA- Based Molecular Diagnostics for Pfiesteria- Complex Organisms in Chesapeake Bay	Marine Science, The College of William and	Kimberly S. Reece, Eugene M. Burreson, and Nancy A. Stokes	Sheila Rosenthal	\$279,202	October 1, 1998 - September 30, 2001	Highlighted
53	R827169	Whole Watershed Health and Restoration: Applying the Patuxent and Gwynns Falls Landscape Models to Designing a Sustainable Balance Between Humans and the Rest of Nature	University of Maryland, Center for Environmental Science	Robert Costanza, Roelof Boumans, Thomas Maxwell, Ferdinando Villa, Alexey Voinov, Lisa Wainger	Barbara Levinson	\$699,916	March 1, 1999 February 28, 2001	Highlighted
54	U91-5333	Global Climate Change on Human Health	Johns Hopkins University	Michelle L. Bell	Delores Thompson	34,000	9/3/98	Highlighted
55	R826608	The Valuation of Mortality Risk Reductions: Application of Two New Survey Instruments	the Future1, University of Maryland &	Alan J. Krupnick1, Maureen Cropper2, Anna Alberini3, Robert Belli4	Ainsley Caldwell	\$270,000	October 1, 1998 - September 30, 2000	
56	R823576	NMR Structural Studies of Mercury Transport Proteins	University of Pennsylvania	Stanley J. Opella	Clyde Bishop	\$404,667	October 1995 - September 1998	Highlighted
57	81-9809	Quantitative Analysis Directly from Matrices Using TOF-SIMS	University of Pittsburgh	David Hercules	none	\$376,040	3 years	Highlighted
58	R827400	Field and Laboratory Studies of the	Virginia Polytechnic Institute & State	F. M. Anne McNabb (happy@vt.edu)	David Reese	\$256,587	August 1, 1999 - July 31, 2001	Highlighted

		Effects of Polychlorinated Biphenyls and Other Persistent Organic Pollutants on Thyroid Function During Avian Development	University (Virginia Tech)					
59	R824871	SFC/DNP A New Analytical Approach for Environmental Monitoring Applications	Virginia Polytechnic Institute and State University	Harry C. Dorn	Bill Stelz	\$283,737	January 8, 1997 - January 7, 1999	Highlighted
60	U915408	Forest Interior Songbird Diversity and Breeding Success As A Function of Topography and Climate in the Mid-Atlantic Highlands	University of Maryland, College Park	Brian R. Sturtevant	none	none	none	Highlighted
61	R826373	Investigations of Factors Determining the Occurrence of Ozone and Fine Particles in Northeastern USA	Penn State University	C. Russell Philbrick	Deran Pashyan	\$3,000,000	April 15, 1998 - April 14, 2001	Highlighted
62	R823919	Effects of Metals on Detoxification, Carcinogenicity, and Immunotoxicity of Polycyclic Aromatic Hydrocarbons	Virginia Institute of Marine Science, School of Marine Science, The College of William and Mary	Mohamed Faisal, Morris H. Roberts, Jr., Wolfgang K. Vogelbein, Peter A. Van Veld	Clyde Bishop	\$449,794	July 1, 1995 - June 30, 1998	Highlighted
63	none	Aggregative and Deliberative Contexts for Valuation: A Philosophical Contribution to Experimental Research in Environmental Decision Making	U of MD College Park	Mark H Sagoff, David A Crocker, Paul C Stern	Deborah Hanlon	\$158,043	January 1, 1997 - December 31, 1998	Highlighted
64	R82-1335	Estimation of	Resources for	Alan Krupnick	none	\$161,517	2 years	Highlighted

		Health Effects and Values for Air Quality Improvements: the Cases of Taiwan and Los Angeles	the Future					
65	R824752	Policy Frameworks to Stimulate Environmental Technology in the Computer and Electronics Sector	The World Resources Institute	Dr. Daryl Ditz and Ms. Frances Irwin, co- investigators	Deborah Hanlon	\$240,000	October 1, 1995 - September 30, 1997	Highlighted
66	R823333	Nitrogen Deposition onto Aqueous Media	The George Washington University	J. Houston Miller	Barbara Levinson	\$182,227	September 15, 1995 - September 14, 1998	Highlighted
67	R824730	Design and Synthesis of CO2-Soluble Affinity Ligands for Use in CO2 Extraction of Proteins	University of Pittsburgh	Eric Beckman and Alan Russell	Gregory Ondich	\$150,000	October 1, 1995 - September 30, 1998	Highlighted
68	R822444	Importance of Reductive Dechlorination in Chesapeake Bay Sediments Role of Sulfate Respiration		Douglas G. Capone, Joel E. Baker, and Cynthia C. Gilmour	Barbara Levinson	\$286,703	October 1995 - September 1998	Highlighted
69	U91-5374	Phosphorus dynamics in tidal oligohaline marshes along the Choptank River, a tributary of the Chesapeake Bay	College Park	Jeanna Rose Bryner	Georgette Boddie	\$31,485	9/1/98	Highlighted
70	R827953	Assessing the Effects of Multiple Stressors in Environmental Monitoring Programs	Virginia Polytechnic Institute	Eric Smith	Chris Saint	\$266,388	10/1/99- 9/30/02	Highlighted
71	R826162	Natural Remediation of Contaminated Soil and Ground Water by Barometric	University of Virginia	James A. Smith	Bala Krishnan	\$360,027	January 1, 1998 - December 31, 2000	Highlighted

		Pumping						
72	R828037	Molecular Detection and Environmental Survey of Vegetative and Coccoid Helicobacter pylori	University of Maryland, College Park	M. Shahamat, M. Levin, K. Sowers, B. Bradley, and F. Robb	Cynthia L. Nolt- Helms	\$522,145	May 2000 - May 2003	Highlighted
73	R825814	Nociceptive Dysfunction and Environmental Exposures	Georgetown University	James N. Baraniuk	Chris Saint	\$679,956	January 22, 1998 - January 21, 2001	Highlighted
74	R824749	Accessing Overseas Markets Energy Efficiency Standards and Appliance Labeling in Asia and Latin America	International Institute for Energy Conservation	Karen Holmes	Deborah Hanlon	\$240,000	October 1, 1995 - September 30, 1997	Highlighted
75	R826648	Development of a Miniature Detector for Accurate Identification of Toxic Environmental Contaminants (DATEC)	Virginia Commonwealth University	Gary C. Tepper	S. Bala Krishnan	\$302,268	October 1, 1998 - September 30, 2001	Highlighted
76	R827653	Understanding the Role of Sulfur in the Production and Fate of Methylmercury in Watersheds	Chesapeake Biological Laboratory, University of Maryland, and The Academy of Natural Science, Estuarine Research Center	Drs. Robert P. Mason (mason@cbl.umces.edu) (Chesapeake Biological Laboratory) and Cynthia Gilmour (The Academy of Natural Science)	Barbara Levinson	\$779,786	Oct. 1, 1999 - Sept. 30, 2002	Highlighted
77	R823847	Oxidative Coupling as a Cause of Substituent Release from Aromatic Pollutants	Pennsylvania State University	Jean-Marc Bollag and Jerzy Dec	Barbara Levinson	\$425,000	September 1995 - October 1998	Highlighted
78	none	Biostatistical Core	National Jewish Medical and Research Center	Lee S. Newman, M.D., M.A., Kevin P. Fennelly, MD, MPH, Becki Bucher- Baxtelson, Ph.D.	Bernice Smith	none	none	Highlighted
79	R827640	<u>Stream</u>	Penn State	Robert P. Brooks	Barbara	\$397,304	July 1,	Highlighted

		Plethodontid Assemblage Response (SPAR) Index: Development, Application, and Verification in the MAHA	Cooperative Wetlands Center, Environmental Resources Research Institute, Pennsylvania State University, University, Park, PA	(rpb2@psu.edu) and Brian L. Rocco	Levinson		1999 - June 30, 2002	
80	R825356	Refining an Alternative to the EPA's Hen Test for OPs	Virginia Polytechnic Institute and State University	Marion Ehrich and Bernard S. Jortner	David Reese	\$357,572	November 7, 1996 - November 6, 1999	Highlighted
81	R826724	Genetic Mechanisms of Susceptibility to Inhaled Pollutants	The Johns Hopkins University Center For The Asthmatic Child in the Urban Environment; Johns Hopkins University	Dr. Peyton Eggleston , MD; Steven K. Kleeberger, Ph.D.	Chris Saint	EPA \$3.6M NIESH \$3.6M	1998-2002	Highlighted
82	R82-1050	Remediation of Metal Contaminated Soil by Complexing Agents Incorporating Metal Recovery and Chelator Recovery	University of Delaware	Herbert E. Allen	none	\$247,926	3 years	Highlighted
83	R823364	Estimating Ownership and Use of Older Cars	University of Colorado; University of Maryland; Resources for the Future	Anna Alberini, Virginia D. McConnell, Winston Harrington	Deborah Hanlon	\$50,000	June 12, 1995 - June 11, 1996	Highlighted
84	R824806	Regional Streamflow Sensitivity to Climate Change in an Urbanizing Environment	The Pennsylvania State University	David R. DeWalle	Barbara Levinson	\$120,000	October 1, 1995 - September 30, 1998	Highlighted
85	R827972	Over-compliance in Point Source Water Pollution	University of Maryland	John Horowitz	Matthew Clark	\$59,316	December 15, 1999 û December 15, 2000	Highlighted
86	R826219	ECOHAB: Trophic effects of two	Department of Marine Sciences,	George McManus, Hans G. Dam, Sandra E. Shumway, Roxanna M. Smolowitz	Sheila L. Rosenthal	\$102,514	January 15, 1998 - January	Highlighted

		dinoflagellates.	University of Connecticut; Bigelow Laboratory for Ocean Sciences, West Boothbay Harbor, ME; School of Veterinary Medicine, University of Pennsylvania; Marine Biological Laboratory, Woods Hole, MA				14, 1999	
87	R823350	Undesirable Facilities and Political Boundaries Neighborhood Dynamics and House Prices	Department of Energy, Environmental and Mineral Economics, The Pennsylvania State University; Department of Economics, Northeastern University	Katherine T. McClain and Katherine A. Kiel	Deborah Hanlon	\$64,381	June 1, 1995 - December 31, 1996	Highlighted
88	R826105	The Biochemistry and Molecular Biology of Microbial Selenate and Arsenate Transformation	Duquesne University, U.S. Geological Survey	John F. Stolz, Joseph McCormick, Ronald S. Oremland	Clyde Bishop	\$273,119	October 1, 1997 - September 30, 2000	Highlighted
89	R826724	The Relationship Of Airborne Pollutants And Allergens To Asthma Morbidity	The Johns Hopkins University Center For The Asthmatic Child in the Urban Environment; Johns Hopkins University	Dr. Peyton Eggleston , MD; Jouni Jaakkola M.D., Ph.D.	Chris Saint	EPA \$3.6M NIESH \$3.6M	1998-2002	Highlighted
90	R824995	Integrated Assessment of the Public Health Effects of Climate Change for the United States	Johns Hopkins University, University of Maryland, University of South Florida, Penn State	Jonathan Patz, Hugh Ellis, Rita Colwell, Joan Rose, Anne Fisher, Anne Bostrom, Dana Focks, and Laurence Kalkstein	Barbara Levinson	\$2,700,728	October 1, 1996 - September 30, 1999	Highlighted

			University, Georgia Institute of Technology, USDA, University of Delaware					
91	R825760	Erom Landscapes to Waterscapes: Integrating Framework for Urbanizing Watersheds	Virginia Polytechnic Institute & State University	P. Diplas, E.F. Benfield, D.J. Bosch, W.E. Cox, R. Gupta, R.G. Greene, D.F. Kibler, V.K. Lohani, S. Mostaghimi, P.S. Nagarkatti, D.J. Orth, L.A. Shabman, K. Stephenson	Barbara Levinson	\$849,266	October 15, 1997 - October 15, 2000	<u>Highlighted</u>
92	R828159	Molecular Tracers of Contaminant Sources to Surface Water Drinking Supplies	Stroud Water Research Center, Avondale, PA	Laurel J. Standley, Principal Investigator; Louis A. Kaplan, co-Principal Investigator; J. Denis Newbold, co-Principal Investigator	Bala Krishnan	\$220,000	May 1, 2000 - April 30, 2002	Highlighted
93	R825349	Transport of Polychlorinated Biphenyls from Adult Oyster Crassostrea virginica to Embryos and Larvae and Potential for Reproductive and Developmental Impairments	Virginia Institute of Marine Science	Fu-Lin E. Chu, Aswani K. Volety, and Robert C. Hale	Clyde Bishop	\$247,122	December 1, 1996 - November 30, 1998	Highlighted
94	R825151	Trophic Transfer of Atmospheric and Sedimentary Contaminants Into the Great Lakes Fisheries Controls on the Ecosystem Scale Response Times	Maryland;	Joel E. Baker; Nathaniel E. Ostrom,	Barbara Levinson	\$617,254	October 1, 1996 - September 30, 1999	Highlighted
95	U915331	Interactions of Silica Particles in Drinking Water Treatment Processes	Virginia Polytechnic Institute and State University	Christina L. Clarkson	none	none	none	Highlighted
96	R826724	Mechanisms Of Particulate- Induced Allergic Asthma	The Johns Hopkins University Center For The Asthmatic Child	Dr. Peyton Eggleston , MD; Marsha Wills-Karp, Ph.D.	Chris Saint	EPA \$3.6M NIESH \$3.6M	1998-2002	Highlighted

			in the Urban Environment; Johns Hopkins University					
97	R827583	Integrated Environmental Futures for the U.S.	Tellus Institute	Principal Investigator Dr. Stephen Bernow (sbernow@tellus.org) Other Contributors û Dr. Paul Raskin, Dr. William Dougherty, Dr. Charles Heaps, Dr. John Stutz, Dr. Sivan Kartha, Dr. Allen White	Matthew J. Clark	\$150,000	July 1999 û July 2000	Highlighted
98	R826188	Fate and Transport of Heavy Metals in the Subsurface: Effects of Polymer- Surfactant Aggregates	University of Delaware	Steven K. Dentel, Daniel K. Cha, C. P. Huang	S. Bala Krishnan	\$295,582	September 1, 1997 - August 31, 2000	Highlighted
99	R827674	Effects of N Deposition on Gaseous N Loss from Temperate Forest Ecosystems	1 Institute of Ecosystem Studies, Millbrook, NY.; 2 NASA-Ames Research Center, Moffett Field, CA; 3 USDA Forest Service, Timber and Watershed Laboratory, Parsons, WV; 4 University of Maine, Orono, Maine; 5 USDA Forest Service, Northeastern Research Statio	Peter M. Groffman 1 (groffmanp@ecostudies.org) and Louis V. Verchot 1, Christopher Potter2, Mary Beth Adams3, Ivan Fernandez4, and Lindsey Rustad5	Barbara Levinson	\$894,361	October 1, 1999 to September 30, 2002	
100	R823364	Estimating Ownership and Use of Older Cars	University of Maryland, Baltimore Co.; University of Colorado, Boulder; Resources for the Future, Washington, DC	Virginia D. McConnell, Anna Alberini, Winston Harrington		\$50,000	June 12, 1995 - June 11, 1996	Highlighted
101	R826110	Assessment of forest disturbance in the mid-Atlantic	University of Maryland, University of Virginia,	Keith N. Eshleman, Robert H. Gardner, Louis F. Pitelka, Steven W. Seagle, James N. Galloway, James R.	Barbara Levinson	\$697,834	October 1, 1997 - September 30, 2000	Highlighted

		region: a multi- scale linkage between terrestrial and aquatic ecosystems	Oregon State University	Webb, and Alan T. Herlihy				
102	R826646	Determination of Binding Interactions Between Xenobiotic Chemicals and Soil	The Pennsylvania State University	Jean-Marc Bollag and Jerzy Dec	S. Bala Krishnan	\$408,775	October 1, 1998 - September 30, 2001	Highlighted
103	R825866	Using bioindicators to develop a calibrated index of regional ecological integrity for forested headwater ecosystems	Pennsylvania State University, Carnegie Museum of Natural History Powdermill Nature Reserve, East Stroudsburg University	Robert P. Brooks; Robert S. Mulvihill; Terry L. Master	Barbara Levinson	\$850,000	June 1, 1998 - May 31, 2001	Highlighted
104	R826598	Development And Testing Of A Multi-Resource Landscape- Scale Ecological Indicator: Forest Fragmentation, Structure, and Distribution Relative to Topography	University of Maryland	Steven W. Seagle and Philip A. Townsend	Barbara Levinson	\$683,374	October 1, 1998 - September 30, 2001	Highlighted
105	R825339	Novel Nanocoatings On Cutting Tools For Dry Machining		Professor Ranga Komanduri and Dr. Frank Kustas	Barbara Karn	\$180,000 (EPA share, additional \$180,000 from NSF)	October 1, 1996 - September 30, 1999	Highlighted
106	R82-8021	Linking Environmental and Social Performance Measurement for Management at National and Watershed Levels: Modeling and Statistical Approaches	Triangle Institute, Research	Scott Farrow, Co-Principal Investigator, Carnegie Mellon University Mitchell Small, Co-Principal Investigator, Carnegie Mellon University Tim Bondelid, Co-Principal Investigator, Research Triangle Institute Andrew Solow, Co-Principal Investigator, Woods H	Barbara Levinson	\$649,864	January 10, 2000 to January 09, 2003	Highlighted

			Oceanographic Institution, Woods Hole, Massachusetts					
107	U915180	An Assessment of Air Pollution and Environmental Impacts from International Maritime Transportation Including Engineering Controls and Policy Alternatives	Carnegie Mellon University	James J. Corbett	none	none	none	Highlighted
108	R825363	Direct Quantitation Of Haloacetic Acids By Surface Enhanced Raman Scattering	Pennsylvania State University	Michael J. Natan	Sheila Rosenthal	\$163,609	November 4, 1996 - November 3, 1998	Highlighted
109	none	The Drinking Water Paradigm for Environmental Monitoring for Public Access and Community Tracking (EMPACT)	none	Darwin L. Sorensen	none	none	none	Highlighted
110	U915224	Dynamics of An Adaptive Host- Parasitoid System	University of Maryland	Chad E. Brassil	none	none	none	Highlighted
111	R825257	Oxygenated Volatile Organic Compounds Elucidation of Atmospheric Sources	University of Miami	Rod G. Zika	Deran Pashayan	\$481,115	October 21, 1996 - October 20, 1999	Highlighted
112	R825420	Intrinsic Stable Isotopic Tracers of Environmental Contaminants	University of Virginia; Texas A&M University	Stephen A. Macko and Mahlon C. Kennicutt	Bala Krishnan	\$358,949	October 1, 1996 - September 30, 1999	Highlighted
113	R826134	Stages in Sublethal Exposure to EDCs in a Quail Model System	University of Maryland	Mary Ann Ottinger	David Reese	\$262,634	December 1, 1997 - November 30, 2000	Highlighted
114	R827100	Nitric Oxide as an Immune	University of Maryland	Robert S. Anderson	Clyde Bishop	\$335,064	October 1, 1998 -	Highlighted

		Effector Molecule of Bivalves: Modulation by Environmental Chemicals					September 30, 2001	
115	R826724	A Randomized, Controlled Trial of Home Exposure Control in Asthma	The Johns Hopkins University Center For The Asthmatic Child in the Urban Environment; Johns Hopkins University	Dr. Peyton Eggleston , MD; Peyton A. Eggleston, M.D.	Chris Saint	EPA \$3.6M NIESH \$3.6M	1998-2002	Highlighted
116	R826612	Market Valuation Models and Ecosystem Management in Making Legal and Policy Choices	American University,1 Stanford University,2 University of Maryland,3 Southern Illinois University,4 Indiana University5	James Salzman,1 Paul Ehrlich,2 Gretchen Daily,2 Herman Daly,3 Dennis King,3 J.B. Ruhl,4 Robert Fischman,5	Deran Pashayan	\$163,265	June 1, 1998 - December 31, 1999	Highlighted
117	R824787	In Situ Assessment of the Transport and Microbial Consumption of Oxygen in Groundwater	Wadsworth Center, New York State Dept of Health,Empire State Plaza, Albany, NY; U.S. Geological Survey, Boulder, CO; U.S. Geological Survey, Reston, VA	T.Yoshinari; R. L. Smith; J.K. Bohlke and K. Revesz;	Barbara Levinson	\$350,000	October 1995 - October 1998	Highlighted
118	R825313	Effective Environmental Policy in the Presence of Distorting Taxes	Resources for the Future; Stanford University	Dallas Burtraw, Ian Parry, Lawrence Goulder	Deborah Hanlon	\$200,000	October 1, 1996 - September 30, 1998	Highlighted
119	R826234	Real-time Measurement of the Size and Composition of Atmospheric Particulate Matter	University of Delaware	Anthony S. Wexler	Deran Pashayan	\$374,833	December 15, 1997 - December 14, 2000	Highlighted
120	R826593	Are Genetic Diversity and Genetic	Virginia Institute of Marine Science	Michael C. Newman, Margaret Mulvey, Wolfgang K. Vogelbein, Michael A.	Barbara Levinson	\$727,255	October 1, 1998 - September	Highlighted

		Differentiation Bioindicators of Contaminant Impact on Natural Populations? Fundulus heteroclitus as a Model Estuarine Species		Unger			30, 2001	
121	R825264	Acidic PM and Daily Human Mortality in Three U.S. Cities	New York University Medical Center	George D. Thurston	Deran Pashayan	\$383,008	November 18, 1996 - November 17, 1999	Highlighted
122	R824805	Vulnerability of Low-Income Households to the Hydrologic Effects of Climate Change	Resources for the Future	Kris Wernstedt and David Austin	Barbara Levinson	\$440,000	October 1995 - September 1998	Highlighted
123	R826154	The Economics of Tailored Regulation and the Implications for Project XL	Resources for the Future	Alan J. Krupnick, Allen Blackman and James Boyd	Debra Hanlon	\$140,000	October 1, 1997 - September 30, 1999	Highlighted
124	R823193	Genetically Engineered Potato Plants Which Do Not Produce O3- induced Ethylene A Mechanism of O3 Tolerance?	The Pennsylvania State University	Eva J. Pell (PI) and Richard N. Arteca (Co-PI)	Clyde Bishop	\$412,615	October 1, 1995 - September 30, 1998	Highlighted
125	R824365	Simulation of the Kinetic Sorption and Desorption of Trichloroethene (TCE) and Surfactant in Ground Water at Picatinny Arsenal, New Jersey	University of Virginia; U.S. Geological Survey	James A. Smith and Thomas E. Imbrigiotta	Bala Krishnan	\$79,000	October 1, 1995 - April 1, 1997	Highlighted
126	U915356	Use of Multiple Isotope Tracers (d15N, D34S, D13C, D18O) to Track Changes in Denitrification Electron Donors	University of Maryland	Jacqueline L. Mann	none	none	none	Highlighted
127	R823514	Formation and Physical	Carnegie Mellon	Spyros N. Pandis	Deran Pashayan	\$382,668	September 28, 1995 -	Highlighted

		Properties of Secondary Organic Aerosol	University				September 27, 1998	
128	U91-5366	Retention and transport of white perch (Morone americana) and bay anchovy (Anchoa mitchilli) eggs and larvae in Chesapeake Bay: mechanisms and implications for recruitment.	University of Maryland at College Park	Elizabeth W. North	Georgette Boddie	27,631	8/31/98	Highlighted
129	U915145	The Fate of Wastewater Phosphate in Saline Carbonate Groundwater: Key Colony Beach, Florida	The Pennsylvania State University	Katherine Elliott	none	none	none	Highlighted
130	R825792	Impact of Social Systems on Ecology and Hydrology in Urban-Rural Watersheds: Integration for Restoration	Institute of Ecosystem Studies, University of Maryland, University of Toronto, Yale University, USDA Forest Service, and Parks and People Foundation	S.T.A. Pickett, T.W. Foresman, L.R. Band, W.R. Burch, Jr., W.C. Zipperer, R.V. Pouyat, J.M. Grove, and J. Carcrra	Barbara Levinson	\$999,932	June 1, 1998 - May 31, 2001	Highlighted
131	R824739	Wind Energy Assessment in China	American Wind Energy Association	Kevin Rackstraw	Deborah Hanlon	\$159,972	October 1, 1995 - September 30, 1997	Highlighted
132	U915140	Microbial Bioavailability and Desorption of Aged Organic Contaminants	University of Virginia	Stephanie E. Johnson	none	none	none	Highlighted
133	R826153	Carbon Abatement Policies and Technological Innovation	Resources for the Future	lan W. H. Parry and Mike Toman	Debra Hanlon	\$240,000	October 1, 1997 - September 30, 2000	Highlighted
134	U915183	Trade and Environmental Policy: An	The George Washington University	Valerie Reppelin	none	none	none	Highlighted

		Analysis of the Technology Effect						
135	U915152	The Effect of Sulfate and Sulfide on Mercury Methylation in Florida Everglades	University of Maryland	Janina Benoit	none	none	none	Highlighted
136	U915333	The Impact of Global Climate Change on Urban Air Pollution and Human Health	Johns Hopkins University	Michelle L. Bell	none	none	none	Highlighted
137	R824793	Development and Testing of a State-of-the-Art PMx Particulate Matter Module for Regional and Urban Air Pollution Models	Carnegie Mellon University	Spyros N. Pandis	Deran Pashayan	\$412,041	October 1, 1995 - September 30, 1998	Highlighted
138	R825762	Linking Watershed- Scale Indicators of Changes in Atmospheric Deposition to Regional Response patterns	Univ. of Maine, Univ. of Virginia, Champion Inc	J. Kahl, I. Fernandez, D. Mageean, S. Ballard, B. Cosby, S. Norton, L. Rustad, P. Ludwig	Barbara Levinson	\$623,395	September 1, 1997 - August 31, 2000	Highlighted
139	R8255961	Bioavailability and Biostabilization of Multicomponent Nonaqueous Phase Liquids in the Subsurface	University of Colorado	Tissa Illangasekare, Anuradha Ramaswami, and Anglea Bielefeldt	Tom Veirs	\$433,441	October 1, 1997 - September 30, 2000	Highlighted
140	R825159	Development and Application of Spectroscopic Probes for Measurement of Microbial Activity in Aquatic Ecosystems	University of North Carolina; University of Maryland- College Park	Carol Arnosti and Neil V. Blough	none	\$405,811	November 1, 1996 - October 31, 1999	Highlighted
141	U915359	Effects of Interactions Between Sediment Components on	The College of William and Mary	Kea Duckenfield	none	none	none	Highlighted

		Copper Sorption in Estuaries						
142	none	Uptake of BTEX Compounds and Metabolites by Hybrid Poplar Trees in Hazardous Waste Remediation	University of Iowa	J.L. Schnoor and S.C. Lang	none	none	none	Highlighted
143	U915013	The Effect of Chlorothalonil on Immune System Function in Fish and Oysters	University of Maryland	Cal Baier-Anderson	none	none	none	Highlighted
144	R826941	The Choptank River: A Mid- Chesapeake Bay Index Site for Evaluating Ecosystems Responses to Nutrient Management	University of Maryland Center for Environmental Science	Thomas C. Malone, William C. Boicourt, Jeffrey C. Cornwell, Lawrence W. Harding, Jr., and J. Court Stevenson	Barbara Levinson	\$596,097	September 15, 1998 - September 14, 2001	Highlighted
145	U915212	Ethylene Regulated Gene Expression During Ozone- Induced Accelerated Leaf Senescence	The Pennsylvania State University	Jennifer D. Miller	none	none	none	Highlighted
146	U915015	Role of Reactive Oxygen Species in Eastern Oyster Immunology	University of Maryland	Lisa H. Bramble	none	none	none	Highlighted
147	R826647	Quantification of the Dry Deposition Flux and Air Water Exchange of Reactive and Reduced Nitrogen: The Water Surface Sampler	Illinois Institute of Technology	Thomas M. Holsen	S. Bala Krishnan	\$309,104	October 1, 1998 - September 30, 2001	Highlighted
148	R826111	Applying Ecological Succession Theory to Evaluate Wetland Restoration in Urbanizing	Joseph W. Jones Ecological Research Center, George Mason University, North Carolina	C.B. Craft, J.P Megonigal, S.W. Broome and R.J. Stevenson	Barbara Levinson	\$534,239	June 1, 1998 - May 31, 2001	Highlighted

		Coastal Watersheds	State University, University of Louisville					
149	U915374	Phosphorus Burial in A Tidal Fresh/oligohaline Marsh	University of Maryland	Jeanna R. Bryner	none	none	none	Highlighted
150	U915366	Retention and Transport of White Perch and Bay Anchovy Eggs and Larvae in Chesapeake Bay: Mechanisms and Implications for Recruitment	University of Maryland	Elizabeth W. North	none	none	none	Highlighted
151	U915368	A Climatology of Extratropically Transitioning Atlantic Tropical Cyclones and Associated Case Studies	Pennsylvania State University	Robert Hart	none	none	none	Highlighted
152	R825798	Riparian Reforestation in an Urbanizing Watershed: Effects of Upland Conditions on Instream Ecological Benefits	The Academy of Natural Sciences of Philadelphia, University of Delaware	W.C. Hession, D.F. Charles, D.D. Hart, R.J. Horwitz, D.A. Kreeger, D.J. Velinsky; J. D. Newbold, J.E. Pizzuto		\$ 837,685	June 1, 1998 - May 31, 2001	Highlighted
153	R827016	Mapping Gene Loci for Susceptibility to Cadmium- Induced Embryotoxicity	University of Louisville, University of Pennsylvania	M. Michele Pisano, Robert M. Greene, Wade H. Berrettini	David H. Reese	\$600,000	September 15, 1998 - September 14, 2001	Highlighted
154	R827631	Response of Methylmercury Production and Accumulation to Changes in Hg Loading: A Whole- ecosystem Mercury Loading Study	The Academy of Natural Sciences Estuarine Research Center, The University of Maryland, Chesapeake Biological Laboratory, Canada Department of Fisheries and	Cynthia C. Gilmour (gilmour@acnatsci.org), Andrew Heyes, Robert P. Mason, and John M. Rudd	Barbara Levinson	\$848,029	Oct. 1, 1999 - Sept. 30, 2002	Highlighted

			Oceans, Freshwater Institute					
155	R826943	Rhode River CISNet: Estuarine Optical Properties as an Integrative Response to Natural and Anthropogenic Stressors	Smithsonian Environmental Research Center	Charles L. Gallegos, Thomas E. Jordan, Patrick J. Neale, David L. Correll	Barbara Levinson	\$510,181	October 1, 1998 - September 30, 2001	Highlighted
156	U91-5353	Millennial scale climate variability: A low-order model relating Heinrich and Dansgaard-Oeschger events	University of Maine	Heather Franco	Georgette Boddie	26,202	6/1/98	Highlighted
157	R827161	Mechanisms of Pb,Cd, As Interactions	University of Maryland, Baltimore	Bruce A. Fowler	Tom Veirs	\$832,000	November 15, 1998 - November 14, 2001	Highlighted
158	none	The Use of Environmental Information by Place-Based Environmental Groups	none	Susan Charnley	none	none	none	Highlighted
159	R827997	A Source- Oriented Evaluation of the Combined Effects of Fine Particles and Copollutants	of Environ.	Kazuhiko Ito and George D. Thurston	Deran Pashayan	\$478,522	02/18/2000 to 02/17/2004	Highlighted
160	none	Fish in MEERC: Top-Down Control, Bioenergetic Models and Experimental Protocols	Multiscale Experimental Ecosystem Research Center (MEERC) at the University of Maryland Center for Environmental Science	Houde and Madon	none	none	none	Highlighted
161	R827994	Cardiovascular Responses to Particulate Air Pollution	Pennsylvania State University; University of North Carolina at Chapel Hill	Duanping Liao, Vernon M. Chinchilli; Gerardo Heiss, Carl Shy	Deran Pashayan	\$607,630	January 2000 - January 2003	Highlighted
162	R827921	Indicators of	Resources for	James Boyd	Matthew Clark	\$273,000	November	Highlighted

		Ecosystem Value: Deriving Units of Exchange for Habitat Trades, Banking, and Preservation Priorities	the Future				1, 1999 û December 31, 2001	
163	none	Scale- Dependent Production of Contaminant Binding Capacity in P/B Mesocosms	Multiscale Experimental Ecosystem Research Center (MEERC) at the University of Maryland Center for Environmental Science	Baker and Harvey (Ashley, Turner, Mannino)	none	none	none	Highlighted
164	none	Atmospheric Deposition: Air Toxics At Lake Superior	North Dakota - EERC	Dennis L. Laudal (EERC), Thomas Erickson (EERC), Bruce Folkedahl (EERC), John Pavlish (EERC)	none	\$100,000	9/30/98 ending date	Highlighted
165	none	Effects of Biotic Complexity on the Response of Marsh Ecosystems to Nutrient Enrichment	Multiscale Experimental Ecosystem Research Center (MEERC) at the University of Maryland Center for Environmental Science	Stevenson, Reyes, Madden (Brawley, Dewar)	none	none	none	Highlighted
166	none	Scaling Responses of Pelagic-Benthic Ecosystems: Variations in Light Intensity, Wall Periphyton, and Trophic Complexity	Multiscale Experimental Ecosystem Research Center (MEERC) at the University of Maryland Center for Environmental Science	Kemp (Chen and Petersen)	none	none	ending date	Highlighted

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